

DATA NAME: DEMSHADE

COVERAGE AREA: State

LOCATION: svhqs01:\data\raster\dem\alb83\demshade\demsh90

The GRID "DEMSHADE" was generated from the USGS 1 arc-second, 1:24,000-scale seamless Digital Elevation Model (DEM). Prior to generating shaded relief, the DEM was projected to Albers and resampled to 90 meter cell size. Shaded relief was calculated using the following parameters:

SUN AZIMUTH - 315 degrees
SUN ALTITUDE - 45 degrees
Z FACTOR - 0.3048 (number of XY units in each Z unit)

This data set is suitable for small-scale mapping, e.g. counties or larger areas. It is a cartographic component that presents a realistic perspective of the topography. It contains values from 1 -> 255 that should be colored with shades of gray (1 is darkest, 255 lightest).

VITAL STATISTICS:

Datum:	NAD83 (spheroid: Clarke 1866)
Projection:	Albers
Units:	Meters
1st Std. Parallel:	34 00 00 (34.0 degrees N)
2nd Std. Parallel:	40 30 00 (40.5 degrees N)
Longitude of Origin:	-120 00 00 (120.0 degrees W)
Latitude of Origin:	00 00 00 (0.0 degrees)
False Easting (x shift):	0
False Northing (Y shift):	-4000000
Source:	USGS 1 arc-second Digital Elevation Models
Source Media:	Digital file transfer
Data Scale:	1:250,000
Data Resolution:	90 meters
Source Ground Unit:	Decimal degrees
Source Z Unit:	Meters
Capture Method:	Various
Source Accuracy:	Because elevation postings model a surface and do not represent specific features, horizontal accuracy is difficult to measure and is not stated by the USGS.
Conversion Software:	ARC/INFO Rev 7.2.1
Data Structure:	Grid Cell-based
ARC/INFO Coverage Type:	Lattice
ARC/INFO Precision:	Not applicable

ARC/INFO Tolerances:	Not applicable
Number of Features:	Not applicable
Layer Size:	46 MB
Processing platform:	Sun 3000 server
Data Completed:	December 1999

DATA QUALITY ASSESSMENT:

These data are based on 1:24,000-scale source data. Due to resampling, quality should be considered very good for the intended use (small-scale mapping).

November 6, 2003